Title (en)
SIMPLIFIED INTER PREDICTION WITH GEOMETRIC PARTITIONING

Title (de)
VEREINFACHTE ZWISCHENVORHERSAGE MIT GEOMETRISCHER AUFTEILUNG

Title (fr)
INTER-PRÉDICTION SIMPLIFIÉE À PARTITIONNEMENT GÉOMÉTRIQUE

Publication
EP 4049451 A4 20221228 (EN)

Application
EP 20893690 A 20201127

Priority
- CN 2019122256 W 20191130
- CN 2020071032 W 20200108
- CN 2020071552 W 20200110
- CN 2020132162 W 20201127

Abstract (en)
[origin: WO2021104433A1] A method of video processing is provided to comprise: performing a conversion between a current video block of a video and a bitstream representation of the video, wherein, during the conversion, a use of a geometric partitioning mode is allowed for the current video block, and wherein parameters of the geometric partitioning mode are computed using a set of angles including a first number of angles that is less than a first threshold value and/or a set of distances including a second number of distances that is less than a second threshold value.

IPC 8 full level
H04N 19/119 (2014.01); **H04N 19/52** (2014.01); **H04N 19/537** (2014.01); **H04N 19/70** (2014.01)

CPC (source: EP KR US)
H04N 19/119 (2014.11 - EP KR US); **H04N 19/132** (2014.11 - US); **H04N 19/137** (2014.11 - US); **H04N 19/176** (2014.11 - EP KR US); **H04N 19/52** (2014.11 - EP KR); **H04N 19/537** (2014.11 - EP); **H04N 19/70** (2014.11 - EP KR US)

Citation (search report)
- [A] WO 2010151334 A1 20101229 - THOMSON LICENSING [FR], et al
- [XI] GAO (HUAWEI) H ET AL: "CE4: CE4-1.1, CE4-1.2 and CE4-1.14: Geometric Merge Mode (GEO)", no. JVET-P0068-v2; JVET-P0068, 25 September 2019 (2019-09-25), pages 1 - 7, XP030216132, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/16_Geneva/wg11/JVET-P0068-v2.zip JVET-P0068_v2_clean.docx> [retrieved on 20190925]
- [XI] GAO (HUAWEI) H ET AL: "CE4: CE4-1.1, CE4-1.2 and CE4-1.14: Geometric Merge Mode (GEO)", no. m50014, 25 September 2019 (2019-09-25), XP030205869, Retrieved from the Internet <URL:http://phenix.int-evry.fr/mpeg/doc_end_user/documents/128_Geneva/wg11/m50014-JVET-P0068-v2-JVET-P0068_v2.zip JVET-P0068_GEO_CE4-1.1_WD(on_top_of_JVET-O2001-vE).docx> [retrieved on 20190925]
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- [A] GAO (HUAWEI) H ET AL: "Simplified GEO without multiplication and minimum blending mask storage (harmonization of JVET-P0107, JVET-P0264 and JVET-P0304)", no. JVET-P0884 ; m51277, 11 October 2019 (2019-10-11), XP030224312, Retrieved from the Internet <URL:http://phenix.int-evry.fr/jvet/doc_end_user/documents/16_Geneva/wg11/JVET-P0884-v6.zip JVET-P0884-v4_clean.docx> [retrieved on 20191011]
- See also references of WO 2021104433A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
WO 2021104433 A1 20210603; BR 112022010230 A2 20230314; CN 114902675 A 20220812; CN 117729330 A 20240319; EP 4049451 A1 20220831; EP 4049451 A4 20221228; JP 2023503683 A 20230131; JP 2024012506 A 20240130; JP 7453374 B2 20240319; KR 20220101638 A 20220719; US 11659180 B2 20230523; US 2022303533 A1 20220922; US 2023247199 A1 20230803

DOCDB simple family (application)
CN 2020132162 W 20201127; BR 112022010230 A 20201127; CN 202080082769 A 20201127; CN 202311780032 A 20201127; EP 20893690 A 20201127; JP 2022531615 A 20201127; JP 2023188613 A 20231102; KR 20227016716 A 20201127; US 202217824304 A 20220525; US 202318295580 A 20230404